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79491

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Art Unit: _____

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

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Type of Search

____ N.A. Sequence

☒ A.A. Sequence

____ Structure

____ Bibliographic

Vendors

☒ IG

____ STN

____ Dialog

____ APS

____ Geninfo

____ SDC

____ DARC/Questel

____ Other

79491
Delaval, Jan

From: Roark, Jessica
Sent: Tuesday, November 05, 2002 2:44 PM
To: Delaval, Jan
Subject: 09/509,283

Jan,

Please update the issued and pending files for the following from 09/509283:

SEQ ID NO:2.

Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

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OM protein - protein search, using sw model

Run on: November 5, 2002, 14:45:25 Search time 13 Seconds
(without alignments)
373.899 Million cell updates/sec

Title: US-09-509-283B-2

Perfect score: 1082
Sequence: 1 MKSGLMYFFELCRIVKLTG.....YMFRAVNTAKSRITDVTL 199

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Tc number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_AA:*

1: /cgn2-6/ptodata/1/1aa/5A-COMB.pep: *
2: /cgn2-6/ptodata/1/1aa/5B-COMB.pep: *
3: /cgn2-6/ptodata/1/1aa/6A-COMB.pep: *
4: /cgn2-6/ptodata/1/1aa/6B-COMB.pep: *
5: /cgn2-6/ptodata/1/1aa/PTCUTS-COMB.pep: *
6: /cgn2-6/ptodata/1/1aa/Backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	163	15.1	218	US-08-228-208A-20	Sequence 20, Appl
2	146.5	13.5	225	US-08-505-058-4	Sequence 4, Appl
3	146.5	13.5	225	US-08-459-818-24	Sequence 24, Appl
4	146.5	13.5	225	US-08-889-666-24	Sequence 24, Appl
5	146.5	13.5	225	US-08-465-078-24	Sequence 24, Appl
6	146.5	13.5	225	US-08-725-776-24	Sequence 24, Appl
7	146.5	13.5	225	US-08-488-062-24	Sequence 24, Appl
8	140	12.9	218	US-08-228-208A-19	Sequence 19, Appl
9	134.5	12.4	220	US-08-228-208A-21	Sequence 21, Appl
10	134	12.4	225	US-08-459-818-23	Sequence 23, Appl
11	134	12.4	225	US-08-889-666-23	Sequence 23, Appl
12	134	12.4	225	US-08-465-078-23	Sequence 23, Appl
13	134	12.4	225	US-08-725-776-23	Sequence 23, Appl
14	134	12.4	225	US-08-488-062-23	Sequence 23, Appl
15	134	12.4	225	US-08-505-058-5	Sequence 23, Appl
16	126	11.6	223	US-08-459-818-25	Sequence 25, Appl
17	126	11.6	223	US-08-889-666-25	Sequence 25, Appl
18	126	11.6	223	US-08-465-078-25	Sequence 25, Appl
19	126	11.6	223	US-08-725-776-25	Sequence 25, Appl
20	126	11.6	223	US-08-488-062-25	Sequence 25, Appl
21	120.5	11.1	367	US-08-630-172-19	Sequence 19, Appl
22	120.5	11.1	367	US-09-375-419-19	Sequence 19, Appl
23	119.5	11.0	134	US-08-630-172-3	Sequence 3, Appl
24	119.5	11.0	134	US-09-375-419-3	Sequence 3, Appl
25	110.5	10.2	110	US-09-460-384-33	Sequence 33, Appl
26	93	8.6	221	US-08-228-208A-22	Sequence 22, Appl

28	89.5	8.3	117	2	US-08-529-878B-39	Sequence 39, Appl
29	87	8.0	330	2	US-08-332-562A-81	Sequence 81, Appl
30	87	8.0	330	2	US-08-332-562A-134	Sequence 134, Appl
31	86.5	8.0	209	4	US-09-430-503-20	Sequence 20, Appl
32	84.5	7.8	209	4	US-09-430-503-18	Sequence 18, Appl
33	84.5	7.8	209	4	US-09-430-503-24	Sequence 24, Appl
34	84	7.8	223	3	US-08-228-208A-17	Sequence 17, Appl
35	84	7.8	283	2	US-08-332-562A-136	Sequence 136, Appl
36	82.5	7.6	209	4	US-09-430-503-22	Sequence 22, Appl
37	81.5	7.5	187	1	US-08-067-684-14	Sequence 14, Appl
38	81.5	7.5	187	1	US-08-008-898-14	Sequence 14, Appl
39	81.5	7.5	187	2	US-08-459-818-14	Sequence 14, Appl
40	81.5	7.5	187	2	US-08-889-666-14	Sequence 14, Appl
41	81.5	7.5	187	2	US-08-465-078-14	Sequence 14, Appl
42	81.5	7.5	187	2	US-08-725-776-14	Sequence 14, Appl
43	81.5	7.5	187	2	US-08-488-062-14	Sequence 14, Appl
44	81.5	7.5	187	3	US-08-228-208A-14	Sequence 14, Appl
45	81.5	7.5	187	5	PCT-US95-06726-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1
US-08-228-208A-20
Sequence 20, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Dangle, Milton K.
APPLICANT: Brady, William
TITLE OF INVENTION: C11A4/CD281g HYBRID FUSION
TITLE OF INVENTION: PROTEINS AND USES THEREOF
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228, 208A
FILING DATE: 15-APR-1994
CLASSIFICATION: 435
Prior Application DATA:
APPLICATION NUMBER: 08/008, 898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723, 617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031
TELEX:
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-228-208A-20

Query Match 15.1%; Score 163; DB 3; Length 218;
Best Local Similarity 26.5%; Pred. No. 3e-11; Indels 18; Gaps 7;
Matches 41; Conservative 31; Mismatches 65;

QY 30 MEFHNGVQIICKYPD--IVQOFKMLKGOILCDLTKTKSGNTVSIKSLK-----F 82
DB 29 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNNGNTYQOPFRPVNGFN 86
QY 83 CHSOLSNNSVSFFLYNLDSHANYFCNLSTFDPPE--KVTLTGGYLIHYESQLC---C 137
DB 87 CDGNFNEVYTFRLMNDVNHDTDYCKIEVMPPPYLDNEKSNGTIIHKEKHLCHAOT 146
QY 138 QLKFWLPIGCAAFVVC--ILGCLIC--WLTFRKK 168
DB 147 SPKLEWPLVYVAGVLLCYGLLYVTLCIITWNSRR 181

RESULT 2

1-505-058-4
Invention 4, Application US/08505058
Patent No. 5773253
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Peach, Robert
TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/505,058
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/228,208
FILING DATE: 15-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.300511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-505-058-4

Query Match 13.5%; Score 146.5; DB 1; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MEFHNGVQIICKYPD--IVQOFKMLKGOILCDLTKTKSGNTVSIKSLK----- 81
DB 30 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNNGNTYQOPFRPVNG 87
QY 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTFDPPE--KVTLTGGYLIHYESQLC-- 136
DB 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTFDPPE--KVTLTGGYLIHYESQLC-- 136

DB 88 FNCDGNFNEVYTFRLMNDVNHDTDYCKIEVMPPPYLDNEKSNGTIIHKEKHLCHA 147
QY 137 ---COLKFWLPIGCAAFVVC--ILGCLIC--WLTFRKK 168
DB 148 XXXQTSFKLEWPLVYVAGVLLCYGLLYVTLCIITWNSRR 187

RESULT 3

US-08-459-818-24
Sequence 24, Application US/08459818
Patent No. 5851795
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: FastSeq 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,818
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.350502
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-818-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MEFHNGVQIICKYPD--IVQOFKMLKGOILCDLTKTKSGNTVSIKSLK----- 81
DB 30 LLYVDNNEVSLSCRYSYNLAKFRASLYKG--VNSDVEVCVGNNGNTYQOPFRPVNG 87
QY 82-FCBSOLSNNSVSFFLYNLDSHANYFCNLSTFDPPE--KVTLTGGYLIHYESQLC-- 136
DB 88 FNCDGNFNEVYTFRLMNDVNHDTDYCKIEVMPPPYLDNEKSNGTIIHKEKHLCHA 147
QY 137 ---COLKFWLPIGCAAFVVC--ILGCLIC--WLTFRKK 168
DB 148 XXXQTSFKLEWPLVYVAGVLLCYGLLYVTLCIITWNSRR 187

RESULT 4

US-08-889-666-24
Sequence 24, Application US/08889666
Patent No. 5885579
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/725,776
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-725-776-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MFIHNGVQIL-CKYPD--IVQEFKMLKGGQILCDLTKT-KSGNTVSIKSLK---- 81
DB 30 LLYVDNNEVXSLSCRYSYNLAKKEFRASLYKG--VNSDYXEVCGVNGNFTYQOPFRPNVG 87

QY 82 -FCHSOLSNNSVSFELYNLDSHANYFCNLSTFDPPF--KVTLTGGLHYESQLC-- 136
DB 88 FNCGDNFENETVFRMLNDVNHHTDLYFCKIEVMPPYLDEKSNGTIIHKEKHLCHA 147

QY 137 ----COLKFWLPICGAFVVC--ILGCIILIC--WLTKKK 168
DB 148 XXXOTSPKLFMPLVVAAGVILCGLYTVCITWTNSR 187

RESULT 7
US-08-488-062-24
Sequence 24, Application US/08488062
Patent No. 5977318
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,062
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:

NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-062-24

Query Match 13.5%; Score 146.5; DB 2; Length 225;
Best Local Similarity 26.2%; Pred. No. 2.7e-09;
Matches 42; Conservative 31; Mismatches 64; Indels 23; Gaps 9;

QY 30 MFIHNGVQIL-CKYPD--IVQEFKMLKGGQILCDLTKT-KSGNTVSIKSLK---- 81
DB 30 LLYVDNNEVXSLSCRYSYNLAKKEFRASLYKG--VNSDYXEVCGVNGNFTYQOPFRPNVG 87

QY 82 -FCHSOLSNNSVSFELYNLDSHANYFCNLSTFDPPF--KVTLTGGLHYESQLC-- 136
DB 88 FNCGDNFENETVFRMLNDVNHHTDLYFCKIEVMPPYLDEKSNGTIIHKEKHLCHA 147

QY 137 ----COLKFWLPICGAFVVC--ILGCIILIC--WLTKKK 168
DB 148 XXXOTSPKLFMPLVVAAGVILCGLYTVCITWTNSR 187

RESULT 8
US-08-228-208A-19
Sequence 19, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
APPLICANT: Wallace, Phillip M.
TITLE OF INVENTION: CTLA4/CD28lg HYBRID FUSION
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Boulevard, Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,208A
FILING DATE: 15-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/008,898
FILING DATE: 22-JAN-1993
APPLICATION NUMBER: 07/723,617
FILING DATE: 27-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-30US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310 445-1140
TELEFAX: 310 445-9031

```

      TELE:
      INFORMATION FOR SEQ ID NO: 19:
      SEQUENCE CHARACTERISTICS:
        LENGTH: 218 amino acids
        TYPE: amino acid
        STRANDEDNESS: unknown
        TOPOLOGY: linear
        MOLECULE TYPE: protein
      US-08-228-208A-19

Query Match          12.9%; Score 140; DB 3; Length 218;
Best Local Similarity 25.7%; Pred. No. 1.5e+08;
Matches   39; Conservative   24; Mismatches   61; Indels    28; Gaps       7;

QY   38 VOILCKYPD--IVQOFKMOQLGGGICLDLITKSGNTVSTKSLEF-----CHSOLSN 90
      |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB   37 VLSGRYSYNLAKFEFRASLYKG--VNSDEVCGVNGNFTYPOPEFSNAEFNCDFDNE 94
      ::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DY   91 SVSFGLYNHDHSHANYRCNLSDPPPP--KVTLGGLHYESDL----CQLKWLP 144
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
DY   95 TVTEFLMNLHVNHDIYFKIEFMTPPLDNERSNGTIIHKRHLCHTQSSPKLFW-- 152
      :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY   145 IGCAPVVVCILGCG-----ILICWLTKK 168
      |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB   153 ---ALYVAGVLFCYGLVTVALCAIWTMSRR 181
      ::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

RESULT 9
US-08-228-208A-21
Sequence 21, Application US/08228208A
Patent No. 6090914
GENERAL INFORMATION:
Applicant: Linsley, Peter S.
Applicant: Ledbetter, Jeffrey A.
Applicant: Damle, Nitin K.
Applicant: Brady, William
Applicant: Wallace, Philip M.
Title Of Invention: CTLA4/CD28ig HYBRID FUSION
Title Of Invention: PROTEINS AND USES THEREOF
Number Of Sequences: 22
Correspondence Address:
Address: Merchant & Gould
Street: 1150 Santa Monica Boulevard, Suite 400
City: Los Angeles
State: CA
Country: USA
Zip: 90025
Computer Readable Form:
Medium Type: Diskette
Computer: IBM Compatible
Operating System: DOS
Software: FASTSEQ Version 2.0
Current Application Data:
Application Number: US/08/228,208A
Filing Date: 15-Apr-1994
Classification: 435
Prior Application Data:
Application Number: 08/008,898
Filing Date: 22-Jan-1993
Application Number: 07/723,617
Filing Date: 27-Jun-1991
Attorney/Agent Information:
Name: Adlano, Sarah B
Registration Number: 34,470
Reference/Docket Number: 30436-30501
Telecommunication Information:
Telephone: 310 445-1140
Telefax: 310 445-9031
Telex:
Information For Seq Id No: 21:
Sequence Characteristics:
Length: 220 amino acids
Type: amino acid

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STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-228-208A-21

Query Match      12.4%: Score 134.5; DB 3; Length 220;
Best Local Similarity 25.4%: Pred. No. 6.8e-08;
Matches 44; Conservative 30; Mismatches 74; Indels 25; Gaps 7;

QY 30 MFIFHNGVQLCKYPD--IVQFPMQLKGGQILCDLTKTSGSN--TVSIRSLKEFH 84
| : : : | | | : : : | | : : : | : : : |
DB MLVAYDANNYNLSCKYSTYLFSREFPASLHKGLDSAVEVCVYGNTSOLOYYSKTGPNCD 87
QY 85 SOLSNSVSFFLVNLDHSNANYFCNLSTEDPPPF--KVTLTGVLHIYESOLCCQLRFW 142
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 88 GKLGNESVTFLQMLNYMQTDIYFKCIEMVMPPLDNEKSNGTIHVKGKHLCPLE- 146
QY 143 LPICGAAVVYVICILCLIC-----WLTKRKYSSVHPNPDEMYFM 183
| : : : | : : : | : : : | : : : | : : : |
DB 147 -PGSPKPFWLVVVGVLACYSLTYVAFTFWRSKR-SRLH--SDYNNM 194

RESULT 10
US-08-505-058-3
Sequence 3, Application US/08505058
Patent No. 5773253
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Peach, Robert
TITLE OF INVENTION: CytA4 Mutant Molecules and Uses Thereof
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/505,058
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/228,208
FILING DATE: 15-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Adilano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.30US11
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-505-058-3

Query Match      12.4%: Score 134; DB 1; Length 225;
Best Local Similarity 23.0%: Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY 11 FCLRIVLTGEINSANTEMFIHNGVOILCKYPD--IVQFPMQLKGGQIICDLTKT 68
| : : | : | : : : : | : : : | : : : | : : : |

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RESULT 13
US-08-465-078-23
: Sequence 23, Application US/08465078
: Patent No. 5885796
: GENERAL INFORMATION:
: APPLICANT: Linsley, Peter S.
: APPLICANT: Ledbetter, Jeffrey A.
: APPLICANT: Damle, Nitin K.
: APPLICANT: Brady, William
: APPLICANT: Kiener, Peter A.
: TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
: NUMBER OF SEQUENCES: 26
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Merchant & Gould
: STREET: 11150 Santa Monica Blvd., Suite 400
: CITY: Los Angeles
: STATE: California
: COUNTRY: USA
: ZIP: 90025
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/465,078
: FILING DATE: 05-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/375390
: FILING DATE: 18-JAN-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Adriano, Sarah B.
: REGISTRATION NUMBER: 34,470
: REFERENCE/DOCKET NUMBER: 30436-35US01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 310-445-1140
: TELEFAX: 310-445-9031
: INFORMATION FOR SEQ ID NO: 23:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 225 amino acids
: TYPE: amino acid
: STRANDEDNESS:
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-465-078-23

Y Match          12.4%; Score 134; DB 2; Length 225;
: Local Similarity 23.0%; Pred. No. 8e-08; Indels 32; Gaps
Matches 42; Conservative 32; Mismatches 77;

QY 11 FCLRIKVLGELINGSANYEMFIHGNGVOILCKYPD--IVQOFKMLKGGQILDLTKT 68
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 12 FFXSQVQVTEENKLLVAKOSPLLYVDNSNEVXSLSCRYSYNLLAKFFRSLYXG--VNSDVXEV 69
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 69 -KGSQNTVYSIKSLRF-----CHSQLSNNSVSFELVNLDSHANYFCNLSIDPPPF--K 120
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 70 CVGNQNFYIQPOFRRSNAERNCDDFDNETVYTRLMNLMVNHNTDIYFCKILEMYPPYLDN 129
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 121 VTLNGG:LIHYESQLC-----COLKFWLPIGCAAFVVCVILGC-----ILDCVLT 165
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 130 ERSNGTIIHIKEKHLCHTXXXSPPKLEF-----ALVYVAGVLFQGLGLVYALCAIWIN 184
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 166 KKK 168
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Db 185 SRR 187

RESULT 14
US-08-725-776-23
: Sequence 23, Application US/08725776

```

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Patent No. 5968510
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
APPLICANT: Brady, William
APPLICANT: Kiener, Peter A.
TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 1150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/725,776
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375590
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-35US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-725-776-23

Query Match          12.4%; Score 134; DB 2; Length 225;
Best Local Similarity 23.0%; Pred. No. 8e+08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;

QY    11 FCLAKVLTGGINSAHYEMFIHNGVGQILCKYPD--IVQFKMQLLKGGQIICDLTKT   68
      |::| : ::| : ::| : ::| : ::| : ::| : ::| : ::| : ::| : ::| : 
Db     12 FFXYOVATENKILLKOSPPLLYVDNSVEVSLSCRYSYNLNAKEFRASLYKG--VNSDVAEV   69
      |||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : 

OY    69 -KGSQNTYSIKSLKF-----CHSOLSNSSVSSEFLYNLDHSNANYFCQLSLTFDPPEF--K   120
      |:||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : 
Db     70 CVAGKNFTFYQPQRFSMAEPCDCGFDEDFETVFRLNNLHVNHDTDYFCKIEFMYPPTIDN   129
      |||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : 

QY    121 VTITGVGLHIYESQLC-----COLKFWLPIGCAAFVVVCILGC-----IDLWLT   165
      |:||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : 
Db     130 ERSNGTIIRHEKHLCRHXXXOSSPKLFW-----ALYYAVGVLPFGYLTVVALCVITFN   184
      |:||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : 

QY    166 KKX 168
      :|
Db     185 SRR 187

RESULT 15
US-08-488-062-23
Sequence 23, Application US/08488062
Patent No. 5977318
GENERAL INFORMATION:
APPLICANT: Linsley, Peter S.
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Damle, Nitin K.
```

APPLICANT: Brady, William
APPLICANT: Kienert, Peter A.
TITLE OF INVENTION: CTR1A4 Receptor and Uses Thereof
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,062
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/375390
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436-350501
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ. ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-062-23

Query Match 12.4%; Score 134; DB 2; Length 225;
Best local similarity 23.0%; Pred. No. 8e-08;
Matches 42; Conservative 32; Mismatches 77; Indels 32; Gaps 8;
QY 11 FCLRIKYLTEINGSNAYEMFIFHNGVQLCKYPD--IVQDFKMLKGGQILCDLTKT 68
DB 12 FFXSVQVTENKILVKOSPLLYVDSNEVXSLSCRSYNLAKFRASLYKG--VNSDVXEV 69
C 69 -KSGNTVSIKSLK-----CHSOLSNNSVSFFLYNDHSHANYFCNLISIFDPPPF--K 120
DU 70 CVGNNGFTYQOPFRSNAEFNCDGDFDNEVTFRLMNLHVNHHTDIYFKIEFMVPPYLDN 129
QY 121 VTLTGLVLYESQLC-----CQLKFWLPICGAFVVCILGC-----ILICWLT 165
DB 130 ERSNGTIIHKHKLCTHXXKSSPKLEW-----ALYVAVGVLECYGLLVVALCVIWTN 184
QY 166 KKK 168
DB 185 SRR 187

Search completed: November 5, 2002, 14:45:48
Job time: 14 secs